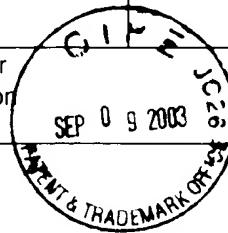


1653/16

AMENDMENT TRANSMITTAL LETTER

Docket Number (Optional)

Application Number
09/986,666Filing Date
November 9, 2001Examiner
K. CarlsonGroup
Art Unit 1653Invention Title
LOW OXYGEN AFFINITY MUTANT HEMOGLOBINS

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS

Transmitted herewith is an amendment in the above-identified application.

Small Entity status of this application has been established under 37 CFR 1.27 by a verified statement previously submitted

A verified statement to establish Small Entity status under 37 CFR 1.27 is enclosed.

No additional claim fee is required.

The fee has been calculated as shown below:

CLAIMS AS AMENDED

	(1)	(2)	(3)			
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT NUMBER EXTRA	RATE	FEE
TOTAL CLAIMS	* 15	minus	**20	0	x \$18	0
INDEPENDENT CLAIMS	* 8	minus	** 8	0	x \$84	0
MULTIPLE DEPENDENT CLAIM ADDED					\$280	0
					TOTAL	0
If applicant has small entity status under 37 CFR 1.9 and 1.27, then divide total fee by 2, and enter amount here					SMALL ENTITY TOTAL	0

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3

** If the highest number previously paid for IN THIS SPACE is less than 20, enter "20".

*** If the highest number previously paid for IN THIS SPACE is less than 3, enter "3".

The "highest number previously paid for" (total or independent) is the highest number found in the appropriate box in column 1.

Please charge Deposit Account No. _____ in the amount of \$_____.
A duplicate copy of this sheet is enclosed.

Checks in the amount of \$205.00 and \$180.00 to cover the filing fees for a 2-month extension of time and IDS filing fee are enclosed.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account Number 18-0582.
A duplicate copy of this sheet is enclosed.

Any additional filing fees required under 37 CFR 1.16.

Any patent application processing fees under 37 CFR 1.17.

September 9, 2003
Date

Mary Elizabeth R. Carlson

1000 Leesburg Avenue, P.O. Box 1450

Washington, D.C. 20005

(202) 414-9267



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of)
CHIEN HO, et al.) Group Art Unit: 1653
Serial No.: 09/986,666) Examiner: K. Carlson
Filed: November 9, 2001)
For: LOW OXYGEN AFFINITY MUTANT)
HEMOGLOBINS)

AMENDMENT AND RESPONSE TO OFFICE ACTION

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This is in response to the Office Action mailed April 9, 2003, to which a shortened statutory period was set to expire July 9, 2003. A petition for a three-month extension of time to and including September 9, 2003 and the fee therefor accompanies this response.

The following items also accompany this response:

- * a supplemental Sequence Listing in paper and computer-readable form;
- * formal drawings; and
- * copies of the two Information Disclosure Statements ("IDS") and Forms PTO-1449 filed in parent application Serial No. 09/598,218 pursuant to 37 C.F.R. 1.97(c) and the fee required by 37 C.F.R. 1.17(p).